ABSTRACT:

An optical information medium (20) for recording, such as DVR-blue, and a method for manufacturing such a medium (20) is provided. Reading from and recording onto the medium (20) is performed by means of a focused radiation beam (10) having a radiation wavelength λ and a numerical aperture NA. Said medium has a substrate (1), and a stack (2) of layers provided thereon. The stack (2) comprises at least a first recording stack (3) and k radiation beam transmissive layers (4, 5). Each transmissive layer (4, 5) has a refractive index n_i and an average thickness d_i µm and $1 \leq i \leq k$ and $k \geq 2$. The thickness d_k of layer k (5) is determined by a simple formula which depends on the parameters n_i for i = 1…k and d_i for i = 1…k-1. Such a medium (20) has zero or substantially zero spherical aberration at the focal point, being at the recording layer of the first recording stack (3), of said radiation beam (10).

Figure 1